THIRTEENTH YEAR.

ANNUAL ANNOUNCEMENT

OF THE

DENTAL SCHOOL

(BOSTON)

OF

HARVARD UNIVERSITY.

FOR THE YEAR

1880-81.

[*Reprinted from the Catalogue of the University for* 1879–80.]

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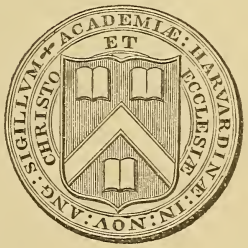

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1880.

University Press: John Wilson & Son,
Cambridge.

THE DENTAL SCHOOL.

BOSTON.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
THOMAS H. CHANDLER, D.M.D., *Dean and Professor of Mechanical Dentistry.*
OLIVER W. HOLMES, M.D., *Professor of Anatomy.*
HENRY J. BIGELOW, M.D., *Professor of Surgery.*
——— ———, *Professor of Dental Pathology and Therapeutics.*
HENRY P. BOWDITCH, M.D., *Professor of Physiology.*
LUTHER D. SHEPARD, D.M.D., *Professor of Operative Dentistry.*
EDWARD S. WOOD, M.D., *Professor of Chemistry.*
H. H. A. BEACH, M.D., *Demonstrator of Practical Anatomy.*
CHARLES A. BRACKETT, D.M.D., *Instructor in Dental Therapeutics.*

OTHER INSTRUCTORS.

ARTHUR TRACY CABOT, M.D., *Instructor in Oral Pathology and Surgery.*
SAMUEL FRANKLIN HAM, D.M.D., *Instructor in Operative Dentistry.*
JOHN THOMAS CODMAN, D.M.D., *Instructor in Operative Dentistry.*
TIMOTHY OTIS LOVELAND, D.M.D., *Instructor in Operative Dentistry.*
CHARLES WILSON, D.M.D., *Instructor in Operative Dentistry.*
ALBERT BENTON JEWELL, D.M.D., *Instructor in Operative Dentistry.*
EDWIN PERLEY BRADBURY, D.M.D., *Instructor in Operative Dentistry.*
GEORGE FRANKLIN GRANT, D.M.D., *Demonstrator of Mechanical Dentistry.*
HENRY FRANCIS DUNKEL, D.M.D., *Demonstrator of Operative Dentistry.*

STUDENTS.

Third Year.

Ayer, Frederic Eugene,	*Lawrence.*
Colgan, Albert James,	*Boston.*

Second Year.

Browne, Frank Fairbanks,	*Dedham.*
Mason, John Scott,	*Saco.*
Reilly, James Alfred,	*Lowell.*

First Year.

Chandler, Frederick Emerson,	*Boston.*
Cogswell, Alfred Robie,	*Dartmouth, N.S.*
Cooke, William Parker,	*Milford.*
Dennett, George Alfred,	*Malden.*
Johnson, Newell David,	*Waltham.*
Marvel, John Francis,	*Rehoboth.*
Mills, Charles Fisher,	*Brooklyn, N.Y.*
Reade, Vincent de Paul,	*Boston.*
Simson, James Kerr,	*Boston.*
Smith, Otis Franklin,	*Cambridgeport.*

The Dental Department of the University is established in BOSTON, in order to secure in connection with the Medical Department those advantages for Clinical Instruction which are found only in large cities.

Instruction in this school is given throughout the academic year, by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed. The year begins on the Thursday following the last Wednesday in September, and ends on the last Wednesday in June. There is a recess beginning December 23d, and ending January 2d; and a spring recess, beginning on the Wednesday before Fast Day, and ending on the following Tuesday. The course of instruction is progressive, and extends over two years, the teaching of one year not being repeated in the next.

The first year is identical with that of the Harvard Medical School, the student receiving the same instruction by the same Professors at the same time and place with the medical students and at the end of the year passing the same examinations.

It is the object of the Faculty to present a complete course of instruction in the theory and practice of Dentistry; and for this purpose, a well-appointed laboratory and infirmary are provided, and such arrangements made as insure an ample supply of patients. Clinical Instruction is given by the professors; and, under the direction of demonstrators, patients are assigned to the students, insuring to all opportunity of operating at the chair, and becoming by actual practice familiar with all the operations demanded of the dentist.

The Infirmary, which is a department of the Massachusetts General Hospital, remains open, and one of the Clinical Instructors and the Demonstrator are in attendance, daily, throughout the academic year, offering to students unsurpassed facilities for acquiring practical knowledge and manipulative dexterity. Eight thousand operations on the average are performed every year.

Students have access to the hospitals of the city; to the dissecting-room, library, and museum of the Medical College; and also, *without additional charge, to the instruction given in any other department of the University, with the exception of exercises carried on in the special laboratories.*

COURSE OF INSTRUCTION.

The following are the methods of study adopted in the various departments: —

Anatomy. — Lectures, largely illustrated by the anatomical preparations and models of the Warren Museum, and by an extensive series of colored drawings and diagrams; various practical exercises, including abundant dissection under the direction of the Demonstrator; recitations from text-books; histology.

Physiology. — Lectures, recitations, and practical demonstrations in the laboratory. A new physiological laboratory has been fitted up, which is under the supervision of an able teacher, who devotes his whole time to this department.

Chemistry is taught mainly by practical work in the laboratory, the student having his own desk and apparatus. General chemistry and qualitative analysis are taught during the first year. Beside the laboratory work, there is a lecture and recitation every week.

Surgery. — Lectures and recitations in oral surgery illustrated by colored drawings and by recent and morbid specimens. All approved instruments and apparatus are exhibited and explained. Operations are performed on the living subject at the hospitals, and upon the dead body. Instruction is given in the use of anaesthetics.

Instruction in clinical surgery is given at the Massachusetts General Hospital and City Hospital every week.

Surgical Pathology. — Lectures and recitations embracing the subjects of shock, inflammation, repair, suppuration, ulceration, mortification, embolism, pyaemia, erysipelas, and tetanus.

Operative Dentistry. — The instruction in this department is both didactic and practical. The professor and assistants endeavor to demonstrate all known methods of performing operations upon the teeth and other tissues involved.

The treatment of irregularities, origin and treatment of decay, materials used for filling teeth, the most improved instruments used in operating, &c., are appropriately discussed. Clinics are held at the Infirmary, and every available means used to make the student practically acquainted with all the modern improvements of this important branch of dental science.

Oral Pathology and Surgery. — Lectures and recitations upon the anatomy and surgical pathology of the tissues in and about the mouth. Material furnished for the examination of the tissues in a healthy and diseased condition, with instruction in its preparation.

Dental Therapeutics. — The instruction from this chair embraces the application of the general principles of medicine to the specialty of den-

tistry, with a consideration of sensitive dentine, caries, pulpitis, periodontitis, alveolar abscess, gingivitis, necrosis, and other diseased conditions of the dental and contiguous tissues, with reference to their treatment and the therapeutical agents used therefor.

Mechanical Dentistry. — Lectures and practical work in the laboratory; the manner in which mineral teeth are constructed, the principles and method of carving and furnace-work, and all compounds used for artificial teeth; also, metallurgy, and the manner in which gold and silver plates are prepared and adapted to the mouth; the use of rubber and other articles as bases. It is the aim to teach not only the mere mechanical processes of dentistry, but that combination of art with mechanism which enables the practitioner to effect so much in restoring the symmetry of the face and usefulness of the teeth, where they have been lost or impaired by accident or disease.

EXAMINATIONS.

The examinations will be held in the following order, viz. : —

At the end of the first year in the studies of that year, anatomy, including dissection, physiology, and general chemistry. A certificate from the demonstrator of anatomy will be required of each student that he has satisfactorily dissected the three parts of the body.

At the end of the second year in the studies of that year, viz., oral pathology, including a knowledge of gestation and diseases of women, so far as they affect the mouth and throat, dental materia medica and therapeutics, oral surgery and surgical pathology, operative and mechanical dentistry. The examinations in operative and mechanical dentistry will include actual operations performed during the year, and the preparation of specimens of mechanical dentistry.

REQUISITIONS FOR THE DEGREE.

The degree of Doctor of Dental Medicine (*Dentariae Medicinae Doctor*) may be conferred upon each candidate of adult age, and of good moral character; who must give evidence of having studied medicine or dentistry three full years, at least one continuous year of which must have been spent at this School. He must also have presented a satisfactory thesis, passed *all the required examinations*, and convinced the Professors of Operative and Mechanical Dentistry of his ability to meet satisfactorily the requirements of his art.

He must also deposit with the Dean, to be placed in the Museum of the College, a specimen of mechanical dentistry, or of practical or pathological anatomy, prepared during the course under the eye of the instructor.

Students may be admitted to advanced standing upon passing a satisfactory examination in a majority of the studies already pursued by the class; but no student shall advance with his class, or be admitted to advanced standing, until he has passed such examination, neither does admission to advanced standing diminish the time (three years) to be spent in professional studies.

The regular examinations are held at the end of each year in June; and for advanced standing, on the studies of the preceding year, a week before the opening of the School in September.

No student will be allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty. Students intending to present themselves for examination must notify the Dean by letter of such intention, two weeks before the time when the examination is to be held.

The examinations are conducted in writing. No student will receive his degree until he has passed a satisfactory examination in all the above-mentioned subjects, and presented a certificate from the Demonstrator of Anatomy that he has satisfactorily dissected the three parts of the body. Those who fail in any subject may present themselves in that subject again at the next regular examination. The regular examinations for the year 1879–80 will begin June 14 and September 27.

The work in the operative and mechanical infirmaries will go on throughout the course; but no student will be permitted to operate at the chair until he has by observation and practice on extracted teeth satisfied the professor of his fitness.

The Faculty recommend young men who propose to take the degree to spend the whole of the required term of three years of study in the School. But those who wish to spend but two of the three years in the School are earnestly advised to pass their first year of study, before entering, under the direction of a *competent* private instructor.

LIBRARIES.

The Library at the Medical College is open to the student on the deposit of five dollars, to be refunded to him upon returning all books.

The College Library, at Cambridge, is open to students.

The Boston Public Library is also open to all students.

FEES.

There are no fees for matriculation, for the diploma, nor for the demonstrators. For the first year a student is a member of the School, the fee shall be $200, in two payments of $120 and $80, at the beginning of each term; for the second year, $150, in two payments of $100 and

$50, payable at the beginning of each term; for any subsequent year $50, payable at the beginning of the year.

Of students *who do not pay in advance*, a bond for $300 executed by two sufficient bondsmen, one of whom must be a citizen of Massachusetts, is required. A copy of such bond will be sent, on application to the Dean of the Faculty. To students depositing these bonds, term-bills will be presented a week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students shall be held responsible for the payment of fees until they shall have notified the Dean of their intention to withdraw from the School, and have received their bond from the Treasurer. *No degree can be conferred till all dues to the School are discharged.*

The student's expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. The janitor will advise students in the selection of boarding places, and will always have a list of such as are in the vicinity of the college buildings, varying in their rates of charges.

Students, on joining the School, must enter their names with the Dean of the Faculty.

TEXT-BOOKS.

Gray's or Quain's Anatomy.
Holden's Osteology.
Dalton's Physiology (6th edition).
Bloxam's Chemistry, Organic and Inorganic.
Clowes's Qualitative Analysis.
Bryant's Surgery.
Billroth's Surgical Pathology.
Taft's Operative Dentistry.
Richardson's Mechanical Dentistry.
Harris's Principles and Practice.
Wedl's Pathology of the Teeth.
Tomes's Dental Surgery.
Garretson's Oral Surgery.
Dunglison's Medical Dictionary.
Carpenter's Principles of Human Physiology.

DAILY ORDER OF EXERCISES — First Class, First Half Year, 1879–80.

Hour	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
9	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories
10	Laboratories	Chemistry, L. or R. 1st 10 wk's.	Laboratories	Laboratories	Chem. R.	Phys. R.
11	Physiology, L.	Physiology, L.	Chemistry, L.	Laboratories	Physiology, L.	Operations. M. G. H.
12	Laboratories or Histology.	Laboratories	Laboratories	Laboratories or Histology.	Laboratories	Museum.
1	Anatomy, L.	Anatomy, L.		Anatomy, L.	Anatomy, R.	
5	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	Prac. Anat. after Jan. 1.	

The Assistant Demonstrator will be in the dissecting-room every day at 10 A.M., when not engaged with the Professor of Anatomy.
Chemistry daily in Chemical Laboratory.

DAILY ORDER OF EXERCISES — Second Class, First Half Year, 1879–80.

Hour	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
9	M. Dent. L.	Oral Path.L.	Laboratories	Op. Dent. L.*	Laboratories	Laboratories
10	Laboratories	Laboratories	Laboratories	Laboratories	Laboratories	
10½				Every other week Dent. Ther.		
11	Laboratories	Laboratories	Surg. Path. L. till Dec. 1, or Surg. L.		Operations. B. C. Hosp.	Operations. M. G. H.
12	Laboratories	Surg. Path. L. till Dec. 1.	Laboratories	Laboratories	Laboratories	
1						
2	Infirmary. Dr. Loveland	Dr. Jewell. Infirmary. Dr. Ham.	Infirmary. Dr. Codman	Infirmary. Dr. Bradb'y.	Infirmary. Dr. Wilson.	

The Demonstrator will be present in the Laboratory every forenoon, and in the Infirmary every afternoon.
* And at other times, of which due notice will be given.